

Title (en)

COMPOSITIONS AND ASSOCIATED METHODS FOR RADIOISOTOPE-BINDING MICROPARTICLES

Title (de)

ZUSAMMENSETZUNGEN UND ZUGEHÖRIGE VERFAHREN FÜR RADIOISOTOPENBINDENDE MIKROPARTIKEL

Title (fr)

COMPOSITIONS ET PROCÉDÉS ASSOCIÉS POUR DES MICROPARTICULES DE LIAISON DE RADIO-ISOTOPE

Publication

EP 2968165 A4 20161026 (EN)

Application

EP 14776008 A 20140312

Priority

- US 201361779712 P 20130313
- US 2014025023 W 20140312

Abstract (en)

[origin: US2014271461A1] The present disclosure relates to polymeric materials that may be labeled with a radioisotope, to processes for producing the labeled polymeric material, and to methods of using the materials in analytical and therapeutic applications. Specifically, the disclosure relates to injectable and implantable microparticles, such as microspheres, which are associated with radioisotopes such that the microparticles are both therapeutic and detectable. The radioisotope-containing microparticles are useful for embolization and other therapeutic medical applications.

IPC 8 full level

A61K 9/16 (2006.01); **A61K 47/30** (2006.01); **A61K 47/38** (2006.01); **A61K 47/48** (2006.01); **A61K 51/12** (2006.01)

CPC (source: EP US)

A61K 51/1244 (2013.01 - EP US); **A61P 35/00** (2018.01 - EP); **Y10T 428/2982** (2015.01 - EP US)

Citation (search report)

- [XY] WO 2005061009 A2 20050707 - UNIV MARYLAND [US], et al
- [Y] WO 2008034911 A1 20080327 - BIOSPHERE MEDICAL [FR], et al
- [Y] WO 2006036269 A2 20060406 - BIOSPHERE MEDICAL INC [US], et al
- [XYI] STEPHAN MAUS ET AL: "Microparticles based on biocompatible, biodegradable polymers. Possible surrogates for Y-90 labelled SIR-Spheres?", JOURNAL OF NUCLEAR MEDICINE, vol. 52, 1 May 2011 (2011-05-01), pages 1594, XP055302661
- [XYI] S. RUDERSHAUSEN ET AL: "Novel chelator containing particles specific for controlled radioisotope delivery", JOURNAL OF LABELLED COMPOUNDS AND RADIOPHARMACEUTICALS, vol. 44, no. S1, 1 May 2001 (2001-05-01), CHICHESTER; GB, pages S838 - S840, XP055302514, ISSN: 0362-4803, DOI: 10.1002/jlcr.25804401294

Designated contracting state (EPC)

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DOCDB simple family (publication)

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US 201414207219 A 20140312; CN 201480004693 A 20140312; EP 14776008 A 20140312; JP 2016501722 A 20140312; US 2014025023 W 20140312; US 201715615586 A 20170606; US 201916584525 A 20190926